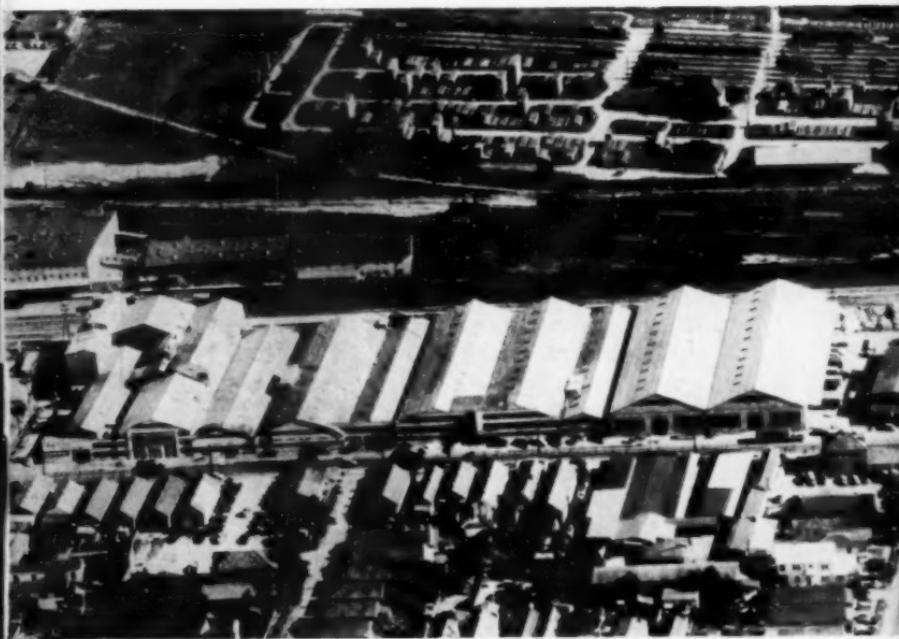


# ASBESTOS

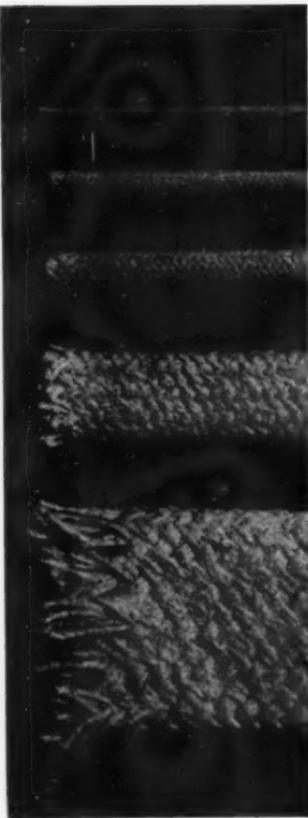


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## THE OUTLOOK FOR ASBESTOS-CEMENT PRODUCTS

*Guest Editorial from Herbert Abraham \**

While there are many uncertainties in both world and national affairs today that may affect the demand for asbestos-cement products, I firmly believe there is nothing in the future that cannot be successfully overcome by imaginative product development and aggressive salesmanship. The advantages of asbestos-cement products are well-known and acceptance is now firmly established in the construction trades, and are assuming a place of growing importance in new building and modernization. The rapid increase in the use of **colored** asbestos-cement siding during the past two years represents a good example of what can be accomplished in the area of product development. I am certain there are many opportunities ahead for restyling of asbestos-cement siding and re-activating the markets in both new construction and modernization.

Other asbestos-cement products such as wallboard and corrugated sheets need only intensive **creative** selling to stimulate new applications. Greater cultivation of architects and builders, suggesting to them ideas on new uses for these products will help expand sales in commercial, industrial and farm areas. For example, some designers have found that asbestos-cement corrugated sheets can be decorative in addition to their practical and functional uses. Further educational efforts on the part of manufacturers, dealers, and applicators cannot help but produce a greater use of this versatile, durable, fire and rot-resistant material.

For many years now, suppliers to the building industry, have experienced unprecedented demand for their manufactured goods. All forms of construction activity have shared in this so-called "boom". Government statistics for the first few months of this year indicate record-breaking increases in most lines of construction. It is timely to ask ourselves how long will this trend continue? There is no sure way of predicting the future but, if there

\* President, *The Ruberoid Co., New York City*

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is any bellwether in our industry it is the number of housing starts recorded each month. For the first six months of this year non-farm dwelling units totalled 577,100, an increase of 11,300 over 1952. However, examining the monthly figures, there is an indication that a leveling-off in new home construction may be coming. This May, figures showed a drop of 3,000 units from last April; and the June 1953 statistics are 500 less than last year. While the decrease is not significant in number, it nevertheless marks the first such decline in a similar seasonal period in the past few years.

Even if there is a continuing reduction in the new residential building market in the period ahead, the level of activity should remain high in terms of pre-war construction. The steadily growing modernization and home repair market rose from total expenditures in 1940 of approximately \$3.5 billion to almost \$11 billion in 1952. While this high level may not be sustained this year, the rate of expenditures should be maintained well in excess of pre-war levels. With 70 percent of America's 44,000,000 homes between 20 to 30 years old, there remains a huge backlog of potential sales for asbestos-cement products.

Our most important objective, of course, is to convince the consumer . . . whether to be homeowner, developer, farmer or commercial builder . . . of the unique advantages of asbestos-cement products. From the viewpoint of the manufacturer, it would appear that his greatest contribution toward furthering consumer education can be made at the dealer level. Supplying the dealer and applicator with effective point-of-sale information and data about asbestos-cement materials is the key to furthering their sale and broadening our markets. It must be remembered that with the average dealer, there are dozens of products competing for his merchandising attention. The extent to which we can instruct him on the uses and merits of asbestos-cement products will largely determine the amount of selling time he will devote to them.

These are but a few of the factors which our industry must constantly examine and re-examine—not only with the aim of holding our own in the markets where asbestos-



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## THE COVER

The new cover cut is the New Orleans Plant of the Asbestone Corporation. The New Orleans Plant, as well as its St. Louis Plant, were recently acquired by the National Gypsum Company for approximately \$5,000,000 in stock. The acquisition will round out National Gypsum's present line of interior wall and ceiling materials and exterior sheathing by adding Asbestone's well-established lines in asbestos-cement siding, roof shingles, corrugated and flat boards and other industrial products. The New Orleans Plant is the largest in the industry and turns out more corrugated sheets than any other manufacturer in the country. Asbestone has been a leading producer of asbestos-cement building materials for 30 years; National Gypsum Company, an outstanding manufacturer of interior building products for 28 years.

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## ASBESTOS PRODUCTION IN SOUTHERN RHODESIA

This is the second installment of the article by W. E. Sinclair, M.I.M.M. (Consulting Mining Engineer). The first installment appeared in our August 1953 issue.

It was very many years later, however, before the industry was operating smoothly. Mining and hand-cobbing of the asbestos ore created a number of initial problems and these were to be followed by even greater difficulties in the matter of mechanically treating the ore to recover satisfactory grades of asbestos. Despite the example of Canadian milling practice, it took nearly ten years of experimenting before an efficient plant was evolved to produce classified grades which were acceptable to the manufacturers. The reason for the initial difficulties experienced is accounted for by the greater quality of long fibres in the ore and the fact that the Rhodesian asbestos is more tender than most others.

During these early years several large mines were opened up and Turner & Newall Ltd. assumed control of the Rhodesian & General Asbestos Corporation, Ltd., followed by other strong combines, all of which gradually put the industry on a more stable basis.

The steady and ever-increasing output has naturally been encouraged by the persistent demand and better prices; indeed in the last few years the consistently upward trend in price values has given an added impetus to the intensive development of the mineral. Many large and important new mining Companies have entered the field, and in some cases their efforts are already contributing to the growing output.

Some of the older mines in the Mashaba and Shabani areas are mining by underground methods, because the ore-bodies tend to dip at a flat angle, which limits the depth at which they can be worked economically by open-east methods. In many other cases, methods of exploitation most favorably suited to geological and topographical conditions are usually adopted. This often consists of quarrying or benching hillside deposits or by open-cut

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methods or wide orebodies below the surface of the ground. In such workings, the ore is usually hoisted to the surface in the mill by means of an open incline or by means of inclined shafts placed below the orebodies.

About ten mines in the Shabani area produce more than half of the total of the whole country. The bulk of this recovery is accounted for by the Rhodesian & General Asbestos Corporation from their mines and mainly the Nil Desperandum (49,000 tons). Other well known mines in the district are the Biltong and Sabi Hill, each producing about 380 and 210 tons per annum respectively. Whites Asbestos and other smaller producers add their quotas to the total of nearly 50,000 tons from this area.

In the Mashaba district 23,000 tons were recovered last year by some twenty different mines, the most important of which are Gaths and Kings controlled by the Rhodesia & General Asbestos Corp. Other well-known producers are the D.S.O. and Muriel Mines (Mashaba Rhodesian Asbestos Ltd.) and the Temeraire Mines. The Kilmarnock group are represented by the Princess, Parallel, Alpha and Shashi Mines. The Blue Bird, Boss, Fibre Coy, and Rex Mines are among many other smaller concerns.

In the western extension of the Shabani formation, in the Belingwe area, the main producers consist of the Vanguard and the Gurumba Tumba Mines. There are other smaller propositions.

The next good producing area is that at Filabusi near Bulawayo. The principal producers here are The Croft (African Asbestos), Wynnes (Dominion Base Metals) and the Norma Mines, besides a few smaller concerns. About six other companies are operating in the Bulawayo district on the Gwanda and Shangani serpentine bodies, but these as yet are only small producers.

The main mine in the Lomagundi area is the Ethel Mine which has been in existence for some time.

Milling operations at all these mines vary considerably despite the application of the general basic idea of mill design. Originally, milling procedure followed Canadian practice, where the first milled asbestos was

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produced in 1878. As the Canadian plant design was not suitable for Rhodesian fibre, most of the mines planned their own methods to suit the ore from their mines. The Turner & Newall groups designed and built the most efficient plants for their mines and many of the older mines attempted to follow their plans.

In recent years newly developed mines built mills which have been hurriedly assembled to meet the urgent need for asbestos. In some of these little regard was given to the classification and standard grading of the fibre. Shipments from these mills was frowned upon by manufacturers, with the result that today more attention is being paid to efficient milling processes to produce good clean fibre suitably graded for export.

The excellent quality of the Rhodesian chrysotile is so well known that its reputation is sufficient assurance of a regular and steady demand, especially for good quality spinning and shingle grades. Most of the spinning fibre posses high tensile strength, albeit it is soft and silky in texture.

The potential reserve of the Rhodesian fields is unknown, but to judge by the interest being shown by many large mining companies established in South Africa, it would appear to be assured. The General Asbestos Corporation under the technical control of the Anglo-Rand Mining & Finance Corp., have opened up the Biltong Extension and Shabani Kloof Mines in the Vukwe Hills south of Shabani. Also the African & European Investment Corporation whose Company Rhodesia Monteleo Asbestos have opened up mines in the "slip" serpentine formation (Biltong Mine). Another interesting feature is the fact that the American Economic Cooperation Administration is financing the operation of three of the Mines of the Associated Asbestos group.

One of the big foreign newcomers in the Rhodesian field is the Johns-Manville Company who, in association with British Metals Corporation, Angol-Huronian, Southern Minerals and other interests, have formed Rhodesian Asbestos to develop and exploit asbestos ore-bodies in the Mashaba area.



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These are only a few examples of the many operating concerns that are opening up new areas or developing and expanding existing mines.

The future prosperity of the asbestos mines is reflected in the air of activity thruout the whole field. As a result, the industry today makes a large contribution to the economic life of the people and the country and will continue to do so as long as there is a demand for high quality chrysotile.

## THE ANALYSIS OF COTTON - GLASS - ASBESTOS YARN

*By Clifford L. Hilton*

The method described in this article was developed by Clifford L. Hilton of the United States Rubber Company, General Laboratories, Passaic, N. J.

While there are several methods for analysis of mixtures of cotton and asbestos yarns, no satisfactory method has been available for the analysis of yarns containing glass as an additional component. Mr. Hilton's method is designed to permit analysis for all three components in the simplest possible manner. This is accomplished by simple carbon, hydrogen and ash determinations.

The article appeared in the June 6th, 1953 issue of the Textile Research Journal. A limited number of reprints are available without charge from the author at the General Laboratories, United States Rubber Company, Passaic, N. J.

• • •

25th Anniversary—Annual Meeting—Celebration, Entertainment and dinner, Association of Consulting Chemists and Chemical Engineers, Inc., at the Hotel Belmont Plaza, New York City on October 27, 1953.

• • •

The march of science with its constant production of new and better materials has made business monopoly more and more difficult, and less and less important, according to the Chamber of Commerce of the United States.



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## RECLAMATION OF ASBESTOS

Simple, effective procedures for reclaiming asbestos from discarded pipe insulation have been developed by E. W. Zimmerman of the National Bureau of Standards. Extraneous material is removed from the asbestos cloth by chemical treatment, and the cleaned cloth is reduced to fibre form in a paper-pulp beater. The recovered asbestos is unchanged chemically, with little or no shortening of the fibres. It appears well suited to further use as electrical and heat insulation, for making asbestos paper, and as a filler in molded plastic compounds.

Because of its incombustibility, strength, and low conductivity, asbestos is widely used in roofing shingles, fireproof paints, stove and building insulation, heat-resistant aprons and gloves, and brake linings. However, present supplies of this raw material are critically short. As large quantities of molded asbestos and asbestos cloth are used to insulate pipes of various kinds in naval vessels, the Navy Bureau of Ships requested NBS to study the possibilities of reclaiming asbestos insulation discarded during the repair or refitting of ships.

To aid the Bureau in its investigation, the Navy supplied samples of discarded pipe insulation. These were of three general types: asbestos cloth, asbestos-cotton cloth, and a molded pipe lagging having asbestos fibre as a filler and magnesia cement as a binder. Some of the asbestos-cotton cloth had glass strands woven into the yarns. Other samples of this cloth were painted or were covered with a cement-like material containing magnesia. The problem thus reduced itself to two parts: first, removing the extraneous material and, second, reducing the cleaned yarns or cloth to fibrous form.

For applications where flexibility is desired, such as asbestos paper or cloth chrysotile asbestos is used. Although this type of asbestos is quite satisfactory for insulating heated pipes, it loses its water of constitution and becomes brittle when heated to about 800°C. It was therefore necessary to develop procedures that would reclaim the asbestos fibres without the use of excessively high temperatures.

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It was found that asbestos or asbestos-cotton fabrics other than those containing paint can be freed of adhering cement by first treating with 5-percent hydrochloric acid and then rinsing. Fabrics painted on one side are treated with alkali instead of acid to remove the paint as well as the cement. This is accomplished by boiling in 5-percent sodium hydroxide solution for 15 to 30 minutes, followed by a preliminary rinsing, a warm wash with a synthetic detergent to remove the paint pigments, and a final thorough rinsing.

Removal of cotton from the cleaned cloth is best effected by the use of heat, but the process requires rather careful control to avoid loss of the water of constitution and consequent embrittling. Thin layers of the material are heated in a muffle furnace at a temperature between 400° and 450°C. The time necessary to burn out the cotton in this temperature range depends largely on the equipment used. After removal of cement, paint, and dirt, the cloth is reduced to fibre in a rotary food blender or in a paper pulp beater.

The fabric containing glass strands was composed of very short asbestos fibres. While an acid wash followed by rinsing removes most of the cement from this material, removal of the dirt is difficult without loss of some of the short asbestos fibres, which float off with the dirt. The recovered product contains glass fibres inter-mixed with the short asbestos fibres and thus will probably be of limited use.

The molded insulation yielded only 15 percent of fibre, and this was highly contaminated with foreign materials. Thus, recovery of asbestos from such material does not seem very practicable. In any case, use of the fibres recovered from the molded insulation would have to be limited to magnesia-cement components and similar products.

Reprinted from "Summary Technical Report 1709, National Bureau of Standards, Washington, D. C."

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## BUILDING

The lagging construction boom has taken a one-month sprint that will bring activity in the months ahead.

That July construction contract awards might be a surprise was suspected when F. W. Dodge Corporation's first monthly totals, for New England, showed unlooked-for strength.

Dodge statistical clients have been informed that the July total of construction contract awards in the 37 eastern states as added up from the Dodge Reports were the highest of any month this year to date.

The grand total was \$1,793,342,000 as compared with \$1,115,509,000 in June and \$1,511,285,000 in July 1952.

Dodge statistical men say this total is the more noteworthy since it is a reversal of the softening that had seemed to come with the Dodge figures for June. Contributing to the July rise were the highest monthly awards for commercial building and for educational and science building ever recorded since Dodge started to compile construction statistics in 1919.

Even the residential classification which had shown weakness for some time came up with \$653,407,000 reported. This was the second highest residential month this year, surpassed only by April with \$673,887,000. It was surpassed in 1952 only by April and May.

The nonresidential building total of \$764,393,000, contained awards of \$200,133,000 for commercial buildings; \$176,418,000 for educational and science buildings, and \$206,702,000 for manufacturing buildings.

Heavy-engineering totalled \$375,542,000, almost double the preceding month's figure of \$193,195,000 and about ten per cent greater than the \$340,521,000 recorded in July 1952.

July brought the Dodge seven-month total to \$9,701,180,000, up 5 per cent over seven months of 1952. If the Dodge Reports for the rest of the year can average \$1,414,751,000 monthly they will tie the all-time high set in 1952 at \$16,774,936,000. But it may prove hard to do, as the average of the first seven months was \$1,385,883,000.

The seven months totals by classifications were: Non-

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residential, \$3,716,424,000 or 14 per cent above seven months of 1952; residential, \$3,911,903,000 or 1 per cent less; and heavy-engineering, \$2,072,853,000, up 1 per cent.

\* \* \*

Mineral hunting prospectors have taken to the air in a world-wide search for deposits of asbestos, the fibrous rock which has become an important factor in supplying the nation's building supplies needs.

The prospectors, trained geologists, are aided by an instrument known as a magneto-meter, which indicates the varying magnetic intensities of the earth beneath it. Initial surveys may be made from air-planes flying at a height of about 500 feet.

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\* \* \*

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For further information write R. L. Forney, general secretary, National Safety Council, 425 N. Michigan Ave., Chicago 11, Ill.

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# MARKET CONDITIONS

## **GENERAL BUSINESS.**

General Market Conditions continue good. Experts are still looking for some recessionary trends before the end of the year. However, from month to month market actions seem to deny their predictions. It is true that many goods are becoming more plentiful and under these conditions industrial purchases are tending to become smaller and more "hand-to-mouth". Prices, while firm, have shown little tendency to spurt upward since the steel price increase, indicating that competition is becoming increasingly severe. Sales of farm equipment have slowed substantially and automobile production has been hard hit as a result of the General Motors' fire, the full results of which remain to be seen. Meanwhile financial markets are weak reflecting the doubt felt by many as to the immediate future of corporate earnings.

## **ASBESTOS — RAW MATERIAL.**

The demand for all grades of asbestos fibre is continuing at a very level rate. There has been some reduction in the pressure for spinning fibre, probably as a result of the production coming into the field and there has been a slight ease off in the demand for shorts due to vacations and labor unsettlement in one of the principal fields of use.

However, the export demand is at its peak season and total output is only slightly under full production.

## **ASBESTOS — MANUFACTURED GOODS.**

*Asbestos Textiles.* The demand for asbestos textiles is about 60% of capacity and backlogs are being reduced or on some items have disappeared. Asbestos tape demand is far below normal, and asbestos for wire insulating is in poor demand.

*Asbestos Brake Lining.* The replacement market shows a nice increase against Industry being off 3 to 5% against '52 Jobbers' inventory is still on the low side — so unless outside warehouse stocks influence low inventory to a

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greater extent than in the past the rest of the year should continue to be good.

*Asbestos Paper.* Orders for this material have been heavier than the past two months and it is expected that this increase should slowly climb through the balance of the year. The *Millboard* situation continues very competitive. There has recently been some slackening in demand, which may be seasonal. At the present time, demand for *Saturated Paper* exceeds production, thus a backlog of business.

*Insulation, High Pressure.* Within recent weeks an increase in demand for both sectional covering and blocks has been experienced. Most of this additional business is represented by contract work closed through approved applicators. The outlook is good as many industrial projects have reached the point where equipment is being readied for the application of insulating materials.

*Insulation, Low Pressure.* There is little change since last month. The demand is fairly high, but competition remains keen. Unless the usual Fall increase is felt soon to reduce inventories, the demand may slacken.

*Asbestos Cement Products.* The market is fair, with much tonnage available but demand is not there. The glazed type is preferred in many sections.

At the present time, demand for Corrugated exceeds production, causing a backlog of business.

The strong market for pressure and sewer pipe continues. Sales of flue, warm air duct, building sewer pipe and electrical conduits appear to be on a seasonal upsweep.

The above comments have been made by various informed executives in the Industry. All comments are welcome.

**WANTED**  
**FIVE TONS CANADIAN CRUDE NO. 1**  
**ASBESTOS FIBRE**  
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## Mundet Cork Corporation

Insulation Division, 7101 Tonnelle Ave., North Bergen, N. J.

Mundet district offices are located in these cities:

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339-41 Elizabeth St., N.E.

**BALTIMORE 30**  
612 Battery Ave.

**BOSTON**  
57 Brattle St., H. Cambridge 40

**CHARLOTTE 3, N.C.**  
507 S. Cedar St.

**CINCINNATI 2**  
427 West 4th St.

**DALLAS 10**  
601 Second Ave.

**DETROIT 21**  
14401 Prairie Ave.

**HOUSTON 1**  
Commerce and Palmer Sts.

**INDIANAPOLIS 4**  
13 E. Washington St.

**In Canada:**  
Mundet Cork & Insulation, Ltd., 35 Booth Ave., Toronto

**JACKSONVILLE 6, FLA.**  
801 E. Bay St.

**KANSAS CITY 7, MO.**  
7401 St. Louis Ave.

**KNOXVILLE**  
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London

## CAPE ASBESTOS COMPANY

Cape Asbestos Company Ltd. announce that they have formed a new subsidiary called Cape Asbestos (Canada) Ltd., headquarters of which will be in Toronto.

L. W. Dennis (Bill) to so many of his friends, in the industry, who has for many years been commercial manager of the Cape Asbestos Company in London has been appointed managing director of the new Canadian organization.

He has just completed a visit to Seattle for some of the preliminaries and is planning to take up permanent residence in Toronto in October.

At this time Robert E. Cryor, having left the Union Asbestos and Rubber Company Ltd., has joined the new company as a director.

His main duties will be in the United States, and a further announcement will be made when it is possible to give full details of the new selling arrangements in this country.

These new arrangements involve the Cape Asbestos Company, with regret, in the termination of their association with Arnold W. Koehler, who has for so long represented them.

• • •

Many mining industry executives are expected to attend the Refrigeration & Air Conditioning Exposition in Cleveland, November 9th to 12th, according to George E. Mills, show director. Advance registrations indicate widespread interest from many different parts of the industry.

Hotel reservations may be made through the Housing Bureau, Cleveland Convention Bureau, Terminal Tower, Cleveland, Ohio.

### FOR SALE

Two asbestos cement sheet making plants, Hatschek system, complete with electric motors, slightly used; for quick sale. Wipol Mercantile Co. Ltd., 70 Leadenhall St., London E.C.3, England.

# PRODUCTION STATISTICS

## **Canada**

(Department of Mines, Province of Quebec)  
Tons 2000 lbs.

Production for June 1953 .....	80,130 tons
Compared with June 1952 .....	75,934 tons
Dominion Production for June is 82,805 tons, a difference of 2,675 tons from the Quebec figure.	

## **Africa (Rhodesia)**

(Published by Rhodesia Chamber of Mines)  
Tons 2000 lbs.

Production for April 1953 .....	8,068.97 tons
Valued at .....	£644,890
Production for April 1952 .....	6,499.39 tons
Valued at .....	£521,231

## **Africa (Swaziland)**

Production for April 1953 .....	2,350 tons
Production for May 1953 .....	3,050 tons
Production for June 1953 .....	2,500 tons

## **United States**

(From U. S. Bureau of Mines)  
The actual figures of production of Asbestos in the United States during 1952 have just been received—53,880 tons; compared with 51,730 tons in 1951.

Vermont was the principal asbestos-producing State in 1952. Arizona sales, which were a little higher than in 1951, were chiefly of the non-spinning grades, but also included some high-quality spinning fibre. Amphibole asbestos sales, which were unusually small, were confined to Georgia.

	1952		1951	
Domestic Asbestos Sold or used by	Tons	Value	Tons	Value
Producers .....	53,864	\$ 4,713,032	51,645	\$ 3,912,500
Imports .....	709,419	61,595,900	761,873	58,521,046
Exports .....	10,724	2,670,970	16,526	3,662,270
Apparent Consumption .....	752,559	63,637,962	796,992	58,771,276

# **BLUE ASBESTOS PRODUCTS**

*The Cape Asbestos Company Limited is the only manufacturer of Blue Asbestos Products which operates its own mines. A very high standard of quality is therefore guaranteed.*

Enquiries are invited for:

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CAPE ASBESTOS CO.  
LIMITED**

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# IMPORTS AND EXPORTS

## Cyprus

(From W. Parry James, A.C.S.M., Inspector of Mines)

Second Quarter 1953

	April	May	June
Rock Mined .....	91,810	318,110	293,360
Rock Treated .....	17,096	73,724	71,958
Fibre Produced .....	193	2,263	2,296
Fibre Exported .....	300	1,720	1,477

## Australia — Statistics

(Published by Bureau of Mineral Resources, Geology and Geophysics  
Ministry of National Development)  
Tons 2240 lbs.

	Quarter ending Dec. 31, 1952	Year 1953
<i>Production</i>		
Crocidolite .....	845 tons	2,940 tons
Chrysotile .....	325 tons	1,118 tons
	<hr/>	<hr/>
	1,270 tons	4,058 tons
<i>Imports</i>		
Crocidolite .....	21 tons	178 tons
Chrysotile .....	2,923 tons	11,602 tons
Amosite .....	2,847 tons	12,392 tons
Other .....	360 tons	3,554 tons
	<hr/>	<hr/>
	6,151 tons	27,726 tons
<i>Exports</i>		
Belgium .....	174 tons	343 tons
U. S. A. .....	96 tons	249 tons
Other Countries .....	196 tons	578 tons
	<hr/>	<hr/>
	466 tons	1,170 tons

Australian production in 1952 exceeded the previous year's output by more than 1,500 tons, the increase being entirely due to expanded operations at Wittenoom, W. A.  
**French Morocco**

(U. S. Mineral Trade Notes — July 1953).

The only producer of asbestos in French Morocco in 1952 was the Societe Miniere de Bou Azzer et du Graara (an Omnimex Nord-African mine, which recently has come under the control of the Penarroya group) whose Bou offreh deposit, between Bou Azzer and N'Kob southwest of Ouarzazate, yielded 576 tons of asbestos fibre in 1952.

**WANTED**

Insulation Engineer—capable of taking off quantities and preparing estimates. We have several territories available. Give resume of education and experience. Address Box 9M-NJ. 'ASBESTOS'. 808 Western Saving Fund Bldg., Philadelphia 7, Pa.

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Wet machines with Auxiliaries for the production of 24" to 48" wide, flat or corrugated sheets in commercial lengths.

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(a) Not inferior to 3R.      (b) Not inferior to 3Z.

Availability up to a few hundred tons per month of each grade, at very attractive prices.

A typical Chemical Analysis of this Transvaal Blue Fibre is given below:

Constituent:	Expressed as:	Percent of Asbestos dried at 110° C.:
Total Solids	—	9.25
Iron	Fe <sub>2</sub> O <sub>3</sub>	7.31
Magnesium	MgO	0.14
Silicon	SiO <sub>2</sub>	0.02
Aluminum	Al <sub>2</sub> O <sub>3</sub>	Trace
Calcium	CaO	Nil
Manganese	Mn	0.02

Conditions of extraction: 10 gm. Asbestos dried at 110° C. boiled for 60 minutes with 200 cc. Sulphuric Acid of S. G. 1. 300. Total solids ignited to remove Sulphuric Acid.

*Liberal samples and f. o. b., c. & f. or c. i. f.  
prices will be forwarded on request.*

We also invite your enquiries for any other types of Asbestos Fibres: Short—Medium—Long, in Rhodesian Chrysotile, South African Chrysotile, Transvaal Blue, Cape Blue and Amosite.

## Exports from U. S. A.

(Figures by Bureau of Census)

### Unmanufactured Asbestos:

	May 1953
	Tons (2240 lbs.)
To Europe.....	173
S. America .....	45
Other Countries.....	17
	<hr/>
	235
	<hr/>
	\$56,059

### Manufactured Asbestos Goods:

	May 1953
	Quantity
Asbestos Pipe Covg. & Cement .....	Lbs. 467,864
Asbestos Textiles & Yarns .....	Lbs. 41,812
Asbestos Packing .....	Lbs. 135,818
Asbestos Bk. Lng. (Mld.&S.Mld.) .....	Lbs. 351,293
Asbestos Brake Lng. (Woven) .....	Lin. Ft. 43,272
Asbestos Clutch Facings .....	No. 106,141
Asbestos Brake Blocks .....	Lbs. 49,732
Asbestos Construction Materials .....	Lbs. 2,361,317
Asbestos Manufactures—Others .....	Lbs. 32,020
	<hr/>
	\$930,643

## Imports of Asbestos by United Kingdom

### Raw Materials

	June 1953
	Tons (2240 lbs.)
From Union of South Africa .....	646
Southern Rhodesia .....	2,541
Basutoland, Bechuanaland & Swaziland .....	1,087
Canada .....	2,857
Other Commonwealth Countries and the Irish Republic .....	398
Foreign Countries .....	<hr/>
	7,529

These figures were supplied by the Mining Journal Limited of London.

**WILHELM BURGDORF**  
*Importer of Raw Asbestos*  
P. O. Box 1131, BREMEN, GERMANY

## Exports from Canada

(Published by Dominion Bureau of Statistics)  
*Unmanufactured Asbestos:*

	May 1953		June 1953	
	Tons (2000 lbs.)	Value	Tons (2000 lbs.)	Value
<i>Crude</i>				
United States .....	...	\$ ...	11	\$ 12,075
United Kingdom .....	...	...	...	...
South America .....	...	...	...	...
Central America & Mexico .....	...	...	...	...
European Countries .....	24	30,893	...	...
Other Countries .....	...	...	...	...
	24	\$ 30,893	11	\$ 12,075
<i>Milled</i>				
United States .....	15,982	\$2,542,972	15,983	\$2,546,535
United Kingdom .....	2,880	679,040	1,949	460,505
South America .....	2,555	534,641	3,829	740,234
Central America & Mexico .....	550	83,656	360	55,437
European Countries .....	6,413	1,214,013	3,152	581,040
Other Countries .....	3,153	512,439	5,265	829,409
	31,533	\$5,566,761	30,538	\$5,213,160
<i>Shorts</i>				
United States .....	42,798	\$2,153,559	46,750	\$2,277,510
United Kingdom .....	1,855	87,502	2,735	111,976
South America .....	307	21,692	398	31,409
Central America & Mexico .....	40	3,100	40	1,520
European Countries .....	3,931	286,072	2,021	136,160
Other Countries .....	1,035	91,596	1,226	109,821
	49,966	\$2,643,521	53,170	\$2,668,396
<i>Grand Total—Unmanufactured Asbestos</i> .....				
	81,523	\$8,241,175	83,719	\$7,893,631
<i>Manufactured Asbestos Goods:</i>				
Brake Lining .....		\$ 25,138		\$ 26,591
Packing .....		50		...
Other Materials .....		14,600		2,518
		\$ 39,788		\$ 29,109

### PABCO'S ANNUAL REPORT

Profit for the fiscal year ending June 30, 1953, was \$1,460,689, or 90c per share, compared with \$1,608,500 or \$1.00 a share for the previous fiscal year, as reported by William L. Keady, President.

Sales for the fiscal year ending June 30, 1953 were \$36,836,795, compared with \$35,727,371 for the previous year.

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## ASBESTOS SIDING NAILS

SOLID ALUMINUM —  
WILL NOT STREAK SIDING  
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HEADS WILL NOT DISCOLOR  
— GREAT HOLDING POWER

WHEN DRIVEN  
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SCREW  
NO "CREEPING"

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# NEWS OF THE INDUSTRY

## BIRTHDAYS

- Charles Robert Neal, President, Metate Asbestos Corporation, Globe, Arizona, September 18.
- W. N. Bolster, President & Treasurer, General Insulation Co., Cambridge, Mass., September 20.
- W. C. Dodge, Jr., Advertising Manager, Keasbey & Mattison Co., Ambler, Pa., September 21.
- J. C. Rector, Sales Mgr., Insulation Division, The Philip Carey Mfg. Co., Cincinnati, Ohio, September 24.
- Win Brown, Vice President, MacArthur Co., St. Paul, Minn., September 25.
- C. Stanley Morgan, Detroit, Michigan, September 25.
- R. H. Temple, Secretary-Treasurer, Thermod Company, Trenton, N. J., September 25.
- E. R. Teubner, Jr., President & Treasurer, Philadelphia Asbestos Co., Phila., Pa., September 26.
- O. H. Cilley, Vice President, U. S. Asbestos Division, Raybestos-Manhattan, Inc., Manheim, Pa., September 27.
- Harold R. Berlin, Vice President, Johns-Manville Sales Corporation, New York City, September 28.
- W. H. Fehrs, Vice President, Union Asbestos & Rubber Company, Cicero, Ill., September 28.
- J. M. High, Sales Manager, Insulation Division, Mundet Cork Corp., North Bergen, N. J., September 28.
- William B. Brown, Partner, The Insulation Co., Hartford, Conn., September 29.
- Walter L. Odenkirk, Treasurer, Asbestos & Magnesia Materials, Chicago, Ill., September 30.
- Frank L. Sowka, Treasurer, Standard Asbestos Mfg. Co., Chicago, Ill., October 1.
- George Courtauld, Director, The Cape Asbestos Co., Ltd., London, England, October 2.
- W. W. Dunkin, Treasurer, Southern Friction Materials Co., Charlotte, N. C., October 5.
- C. L. Moorman, Vice President, Union Asbestos & Rubber Co., Chicago, Ill., October 6.
- Harry E. Smith, Vice President, Raybestos-Manhattan, Inc., Passaic, N. J., October 8.
- Russell E. Crawford, Secretary, Ehret Magnesia Mfg. Co., Valley Forge, Pa., October 9.
- John H. Victor, Chairman of Board, Victor Mfg. & Gasket Co., Chicago, Ill., October 9.
- A. L. Penhale, President & Managing Director, Asbestos Corporation Ltd., Thetford Mines, P.Q., Canada, October 11.
- H. R. Barrett, Vice President & Controller, The Philip Carey Mfg. Co., Cincinnati, Ohio, October 13.

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**W. W. F. Shepherd, Chairman of Board, Keasbey & Mattison Co.,**  
**Ambler, Pa., October 13.**

**W. M. Paxton, Sales Mgr. Packing Dept., Raybestos Division,**  
**Raybestos-Manhattan, Inc., Bridgeport, Conn., October 14.**

**Thomas D. Stone, President, Stone Industrial Equipment Co.,**  
**Springfield, Mass., October 14.**

To all these gentlemen we extend congratulations and best  
wishes on the occasion of their birthdays.

\* \* \*  
**DOMINION ASBESTOS MINES**

After a successful breaking-in period the mill of Dominion Asbestos Mines in Ham township is now functioning smoothly and shipments of asbestos fibre are now going forward. The company is Canada's latest edition to the list of asbestos producers.

It is stated that recovery per ton during the tuning-up period was well up to expectations, and that in some instances recovery was considerably above the expected normal. The mill, designed by Denovan Ltd., has a rated capacity of 100 tons of ore per hour.

Open pit mining is now proceeding on a 24-hour basis. Striping of the overburden from a portion of the ore body, 600 feet long and 400 feet wide, is nearly completed. Approximately 200 men are engaged in the mining and milling operations.

Raymond Leblanc, consulting engineer, has estimated indicated ore reserves at 23,000,000 tons, with average asbestos content of seven per cent plus. Value per ton, based on bulk samples from underground tunnels, was estimated by Mr. Denovan at \$7.68 before a 10 per cent increase in asbestos prices early this year. Mining and milling costs are estimated by Mr. Denovan at slightly more than \$3.25 per ton with operations on a 100-ton basis.

Total costs of preparing the mine for production, including all the buildings and equipment, and preparing the open pit, have been approximately \$2,200,000. It is stated the company is now amply financed for all its expected requirements, and with shipments of fibre now being made regularly, the company will shortly be in receipt of steady production income.

**INSULATION ENGINEER**  
**FOR SOUTHERN NEW ENGLAND**

Wonderful opportunity for man experienced in estimating. Position will consist of contact, selling, and estimating complete line of insulation. Person qualifying will hold key position in fast growing aggressive company. Send complete resume of past experience and salary. All information held in strict confidence. Address Box No. 9M-C,  
**"ASBESTOS" 808 Western Saving Fund Bldg. Philadelphia**  
**7, Pa.**

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## **WET MACHINE FELTS**

**Wool and Nylon Blend Fleece**

**Carefully Engineered**

**To Meet**

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**Problems**

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**DRYCOR FELT COMPANY**

**STAFFORDVILLE, CONN. USA.**

*\*Nylon Has Proved Itself Essential in Asbestos Cement Felts*

**ANNUAL REPORT OF  
CYPRUS Asbestos Mines**

The 1952 report of W. Parry James, A.C.S.M., A.M.I.M.M., Inspector of Cyprus Mines, has been received and we quote that part concerning the asbestos mines:

The Amiandos asbestos mine situated at an elevation of 4,500 feet on the Troodos mountains, operated throughout the dry season on a considerable scale, and only late rains at the commencement of the working season prevented the record tonnage of fibre produced in 1951 being surpassed. The lay-out of the vast quarries continued to improve and a number of new benches were established. The most important factor in the rate of production was the degree of mechanization in the quarries but a large labor force continued to be required particularly at the peak of the operating season. Labor largely drawn from the hill villages, was more than adequate for requirements.

The maximum number of laborers employed during the working season was 2,935 as compared with 2,744 in 1951. 1,842,403 tons of asbestos-bearing rock were quarried, and the total of nine mills were in full operation treating 467,678 tons of raw materials for an output of 16,294 tons of asbestos fibre. Comparative figures for 1951 were 1,599,511, 457,911 and 16,909 tons respectively. 18,187 tons of fibre were exported.

The heavy demand for all grades of fibre continued and the outlook for 1953 was expected to be good.

Wage rates increased with the rise in the cost of living.

Increased local use was made of asbestos-cement sheets manufactured at Amiandos.

Expenditure on buildings, machinery, plant and equipment was reported to be £38,411.

**THE PHILIP CAREY MFG. COMPANY  
New Appointment**

Appointment of Lloyd A. Pfaff as Production Manager of Asbestos-Cement Operations for the Philip Carey Mfg. Company was announced recently.

In this capacity he will be in charge of operations which include the manufacture of Careystone Corrugated, Ceramo, asbestos-cement siding and boards.

Before joining the Carey organization in 1947 Mr. Pfaff had been associated with The Asbestone Corporation and The Ruberoid Co. A native of Joliet, Illinois he is a graduate of the University of Illinois and holds a Bachelor of Science degree in Civil Engineering.

*Specialists on Asbestos Problems*

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**EXPLORATION, MINE DEVELOPMENT AND MILLING**

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#### **LAKE ASBESTOS OF QUEBEC**

Charles E. Prior, president of Lake Asbestos of Quebec Ltd., subsidiary of American Smelting and Refining Co., has notified United Asbestos Corp., that Lake Asbestos plans to put into production the property of United Asbestos at Black Lake, following the passing of an order-in-council to permit the draining of the lake as authorized by legislation enacted for this purpose last February.

Plans and specifications for the draining of the lake have already been filed with the Quebec government along with formal application for the order-in-council to proceed immediately with the work.

Estimated capital expenditures by Lake Asbestos in bringing the Black Lake property to production have been reported as \$15,000,000 including the cost of a milling unit of at least 5,000 tons daily capacity. Under an existing agreement 75 per cent of earnings would be divided between A.S. and R. and United Asbestos to repay them for their pre-production expenses; the remaining 25 per cent to be split between the two companies under a formula whereby United's share would be 50 per cent—60 per cent. When the total pre-production expenses have been returned to both companies, 100 per cent of the profits would be divided on the basis of the above formula.

## **ARIZONA ASBESTOS**

Mined and Milled by

### **JAQUAYS MINING CORPORATION**

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Producers of Low Iron Chrysotile  
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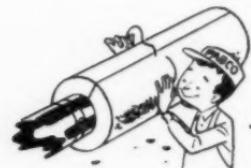


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# PABCO PRODUCTS INC.

INSULATION DIVISION

San Francisco 19

New York 16

Manufacturers of Heat Insulation since 1920

**CASSIAR ASBESTOS CORPORATION LTD.—MEMO**

The Cassiar Asbestos Corporation Limited, whose deposit is located in British Columbia, started production on schedule on July 1, 1953. During the month, 125.25 tons of Group 3K fibre and 112.8 tons of Group 4K fibre were produced from 3,403 tons of ore. A stockpile of 21,072 tons was established at the mill site.

The first two weeks of the period were given over to experimental work in the mill, to establish grade control and to break in the new operators. During the last fourteen days of the month, the mill operating one shift per day, produced 63.9 tons of Group 3K and 75.8 tons of Group 4K fibre, from 1,897 tons of ore. The average mill feed was 135 tons per shift, and recovery was 3.38% of 3K and 4.00% of 4K. The installation of the crushing plant is not scheduled for completion until the 15th of September, and 40% of the above mill feed, consisting of +1" rock, is being stockpiled for retreatment. The eventual recovery will be up to mine grade. The mill went on two shifts per day on the 3rd of August, and production may be expected to increase proportionally.

During the same fourteen day period, the mine produced at a little better than the scheduled rate of 1,000 tons per day. The ore is being recovered from the top of the hill by three bulldozers, which feed the loading bin at the head of the chute. Normal benching operations were to begin about the middle of July, but due to the shattered condition of the rock brought about by the action of frost, it has been found to be unnecessary to do any blasting, and to date the bulldozers have been able to move the required tonnage in a very efficient manner. The ore is moved some 2,500 feet down the side of the mountain in a semi-circular steel chute, in which flight conveyors have been installed. From the ore bin at the bottom of the chute, the ore is then trucked the remaining three miles to the mill, where it is either stockpiled or dumped directly into the mill bins. A survey for an aerial tramline has been completed, and preparatory clearing of the right-of-way will begin later in August. The adit is being cleaned out and track installed. It is planned to drive this exploration heading through to the hanging wall of the ore zone.

The construction program is slightly behind schedule, due to a temporary shortage of skilled labor. To date, this has not affected production items, and it is anticipated that the crushing plant, the dryer building, with the second dryer, and the 40,000 tons dry rock storage building, will be in operation by the 15th of September. In the townsite, the bunk houses and houses are about 75% completed and 50% are currently being occupied.

Shipments of fibre are now on a regular basis, with the company-owned truck fleet operating between Whitehorse and the mine. The demand for this grade of fibre continues to be strong, giving an assured market for full production.

### J. M. WEAVER

J.M. Weaver, who for many years has been Research Engineer for Raybestos-Manhattan, Inc., U. S. Division, will shortly leave Pennsylvania to become a resident of California.



J. M. Weaver

Mr. Weaver's title has been changed to Consultant to Raybestos-Manhattan and will remain Consultant to the Emergency Procurement Service of the General Services Administration of the U. S. Government. He will continue to be interested in all matters pertaining to asbestos fibre.

At this date we do not know Mr. Weaver's new address but will publish it as soon as receive it.

### LITTLETON C. BARKLEY PASSES AWAY

Littleton C. Barkley, General Sales Manager, West Coast Division of Raybestos-Manhattan, Inc., died on August 27th, at San Mateo, California.

Mr. Barkley joined The Manhattan Rubber Mfg. Company, Passaic, N. J., now the Manhattan Division of Raybestos-Manhattan, Inc., in 1926. Two years later he was transferred to the New York office as a salesman and was made Assistant Branch Manager in 1937. He later served as Manager of the New York Branch from 1940 until 1944, when he was appointed Sales Manager of the Industrial Rubber Products Division at Passaic. In 1948 he became General Sales Manager of the West Coast Division of Raybestos-Manhattan, Inc., at San Francisco.

Mr. Barkley was formerly of Montclair, N. J.

### AMERICAN BRAKE SHOE COMPANY

Raymond A. Frick has been appointed vice-president of the Brake Shoe & Castings Division of American Brake Shoe Company.

Formerly general works manager of the division, he joined the Company as a special apprentice in 1942. He has held various operating and administrative positions in several plants of the division and at New York headquarters. A graduate of the University of Pennsylvania, he will continue to be located at the Company headquarters in New York.

### PROVINCIAL ASBESTOS COMPANY

A company statement in July said Provincial Asbestos Company was arranging financing plans with a strong New York group, and it was expected the agreement would soon be arranged. Continental Asbestos Mines, which owns a 500-ton mill, will likely fit into the plans, it is said. Several possibilities involving a closer tie-in of the two companies were being explored, including a direct amalgamation.

# GORDON FELBER & CO., LTD.

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UNITED STATES RUBBER COMPANY  
1230 Avenue of the Americas, New York 20, N.Y.



**JOHNS-MANVILLE CORPORATION**  
**Change In Personnel**

Clarence C. Simoni has been appointed New York District Manager of the Johns-Manville Industrial Products Division.

At the same time, the appointment of P. E. Redding to succeed Mr. Simoni as assistant district manager was announced.

A graduate of Fordham University, Mr. Simoni was associated with Petree & Door, Engineers for twelve years prior to joining Johns-Manville in 1936. He succeeds Edward D. Flavin who was recently appointed Manager of the newly formed Public Utilities Section.

Mr. Redding joined Johns-Manville in 1920 as an office engineer in the Transportation and Government Department at New York. He has served as a staff engineer and eastern division manager of the Company's Transportation Department.

## ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial & Financial Chronicle. No guarantee as to their correctness.)

		August 1953		
	Par	Low	High	Last
Amer. Br. Shoe (Com).....	np	37 1/8	38 3/8	37 1/4
Amer. Br. Shoe (Pfd).....	100	95 1/2	97 1/2	95 3/4
Armst. Ck. (Com).....	np	52 1/4	53 3/8	52 3/8
Armst. Ck. (Pfd).....	np	92	93	91
Armst. Ck. (Conv. Pfd).....	np	106 1/4	108 1/2	105
Asb. Corp. (Com).....	np	26	27 1/2	26 1/2
Carey (Com).....	10	17 1/4	18 1/2	17 3/4
Cassiar Asb. Corp .....	np	\$6.60	\$7.50	\$6.70
Celotex (Com).....	np	16	17 1/4	16 1/4
Celotex (Pfd).....	20	16 1/8	16 1/2	16 1/4
Certainteed (Com).....	1	12 1/2	13 3/8	12 5/8
Dominion Asb. Mines .....	1	\$ .72	\$1.30	\$ .80
Flintkote (Com).....	np	26 1/4	28 1/2	27 1/4
Flintkote (Pfd).....	np	95 1/4	98	96 1/2
Johns-Manville (Com).....	np	58 1/2	64	59 1/2
Pabco Products (Com).....	np	13 1/2	14 1/2	14 1/2
Pabco Products (Pfd).....	100	80 1/2	83 1/2	83 1/2
Ray-Man (Com).....	np	38 1/8	39 1/2	38 1/4
Ruberoid (Com).....	np	56	58	58
Thermoid (Com).....	1	7 1/2	8 1/4	7 1/2
Thermoid (Pfd).....	50	40	41	41
Union Asb. & Rub. (Com).....	5	9 1/2	10	9 1/2
United Asb. (Com).....	1	\$2.95	\$3.75	\$3.30
U. S. Gypsum (Com).....	20	106 1/2	110	108 3/4
U. S. Gypsum (Pfd).....	100	167	169	167
U. S. Rubber (Com).....	5	24 1/4	27 1/2	25 1/4
U. S. Rubber (Pfd).....	100	130 1/4	134 1/4	130 1/4

## AUTOMOBILE SALES

July 1953

Passenger Cars .....	599,077
Motor Trucks .....	105,622
Motor Coaches .....	376
	705,075

In July 1952, a total of 211,782 motor vehicles were sold. In the seven months of 1953 the total was 4,582,944.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

**W. E. SINCLAIR, M.I.M.M.**

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# **SAL-MO SALES ARE R-O-L-L-I-N-G**



Continued product development and aggressive merchandising are two of the factors which contribute importantly to the ever-increasing acceptance of our wide line of asbestos products.

**SALL MOUNTAIN COMPANY**  
**HAMILTON, OHIO**

## CURRENT RANGE OF PRICE

September 10, 1953

<b>Arizona—</b>	<b>Per Ton of 2,000 lbs., f.o.b. Globe, Arizona</b>
No. 1 Crude.....	\$1,200.00 to \$1,500.00
No. 2 Crude.....	900.00 to 1,000.00
No. 3 Crude.....	375.00 to 450.00
Filter Fibre.....	425.00 to 450.00
<b>Canada—</b>	<b>Per Ton (2000 lbs.) f.o.b. Mine</b>
Group No. 1 (Crude No. 1).....	\$1,100.00 to \$1,500.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry.....	500.00 to 1,000.00
Group No. 3 (Spinning Fibre).....	300.00 to 525.00
Group No. 4 (Shingle Fibre).....	150.00 to 200.00
Group No. 5 (Paper Fibre).....	100.00 to 140.00
Group No. 6 (Waste, Stucco or Plaster).....	77.00
Group No. 7 (Refuse or Shorts).....	35.00 to 70.00
<b>Vermont—</b>	<b>Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.</b>
Group No. 3 (Spinning & Filtering).....	\$ 321.00 to \$ 348.00
Group No. 4 (Shingle Fibre).....	156.00 to 173.00
Group No. 5 (Paper Fibre).....	110.00 to 132.00
Group No. 6 (Waste, Stucco or Plaster).....	78.00
Group No. 7 (Refuse or Shorts).....	37.00 to 68.50

**» ATLANTA «**

Allgemeine Handelsgesellschaft  
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<b>BREMEN</b>	<b>BREITENWEG 25</b>	<i>Importers of</i>
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*Importers, Exporters, Processors  
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**RAW ASBESTOS**

*for  
Every Use*

**451 COMMUNIPAW AVE. JERSEY CITY, N. J.**

**THE RUBEROID CO.**  
**New Appointments**

The Ruberoid Co., manufacturers of asphalt roofing and asbestos-cement building products, have announced the following appointments:

*C. J. Dunham* has been appointed Merchandising Manager and General Staff Assistant to *E. J. O'Leary*, Vice President in charge of Sales.

*J. Maurice Hoare* becomes Sales Promotion Manager, in charge of all phases of advertising and sales promotional operations for Ruberoid and the recently acquired Old American Roofing Mills Division.

*R. G. McCoy*, present Advertising Manager of The Ruberoid Co., will continue in that position.

**UNION ASBESTOS & RUBBER COMPANY**  
**Semi-Annual Report**

Report for half year 1953 shows a net profit of \$147,576, or 31c per share on net sales of \$5,753,327, compared with \$387,078 or 81c per share on sales of \$7,390,914 in 1952.

**UNION ASBESTOS & RUBBER COMPANY**

Following a redrafting of the organizational chart of the Sales Department, of the Union Asbestos & Rubber Company, *Ronold Wild*, *Arthur R. Byrnes* and *R. W. Jirikow* each appear with the title of Assistant to the General Sales Manager, who is *Frank Myers*.

**NATIONAL GYPSUM COMPANY**  
**Six Month's Report**

National Gypsum Company sales for the first six months of 1953 totalled \$57,598,945, a 24% increase over the same period in 1952. Earnings for the period were \$3,990,774 or \$1.41 per share of common stock while deduction for income taxes amounted to \$7,055,000 or \$2.65 per share.

The six month earnings for 1952 were \$3,491,622 or \$1.39 per share, computed on the smaller number of common shares outstanding last year.

**RAYBESTOS-MANHATTAN, INC.**

*J. H. Matthews* has been appointed Executive Vice President of Raybestos-Manhattan, Inc.

*Mr. Matthews* was graduated from Stevens Institute of Technology and started with the Manhattan Rubber Mfg. Company in 1914.

He was appointed Assistant Factory Manager of the Manhattan Rubber Division in 1940, became Director of the Company and Assistant General Manager of the Division in 1942. In 1947 Mr. Matthews was elected a Vice President of Raybestos-Manhattan, Inc.

## **ASBESTOS**

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*Mintex Brake & Clutch Liners*

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*All types of belting*

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*fireproof conveyor belting.*

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#### **UNITED STATES RUBBER COMPANY**

The production management section of the textile division, United States Rubber Company, has moved from New York to Winnsboro, S. C.

The move will permit better coordination between the production management section and the division's seven southern plants.

The following are moving to the new location: *R. C. Harrington*, production manager; *W. W. Watkins*, chief engineer; *J. E. Sullivan*, manager of industrial relations and labor standards; *R. R. McGee*, planning engineer, *L. D. Swearingen*, manager of technical service; *J. W. McSwain*, planning consumer fabrics production supervisor; *A. G. Quattlebaum*, office manager; *E. W. S. Calkins*, fibre technologist; *J. P. Harrison*, assistant to planning engineer; *D. M. Grieb*, assistant to chief engineer, and *W. L. Wylie*, assistant to manager of industrial relations and labor standards.

#### **CHARLES J. GEILFUSS PASSES AWAY**

*Charles J. Geilfuss*, Assistant General Manager of General Asbestos and Rubber Division of Raybestos-Manhattan, Inc., N. Charleston, South Carolina, died unexpectedly on July 30, 1953 at his summer home on Sullivan's Island.

#### **NATIONAL GYPSUM COMPANY**

##### **New Appointments**

National Gypsum Company has announced the following appointments:

*C. Gustavus* to the newly created position of Division Manager of the Southwest. The new division is composed of the Houston, Dallas, Kansas City and St. Louis sales districts together with the recently organized New Orleans sales district.

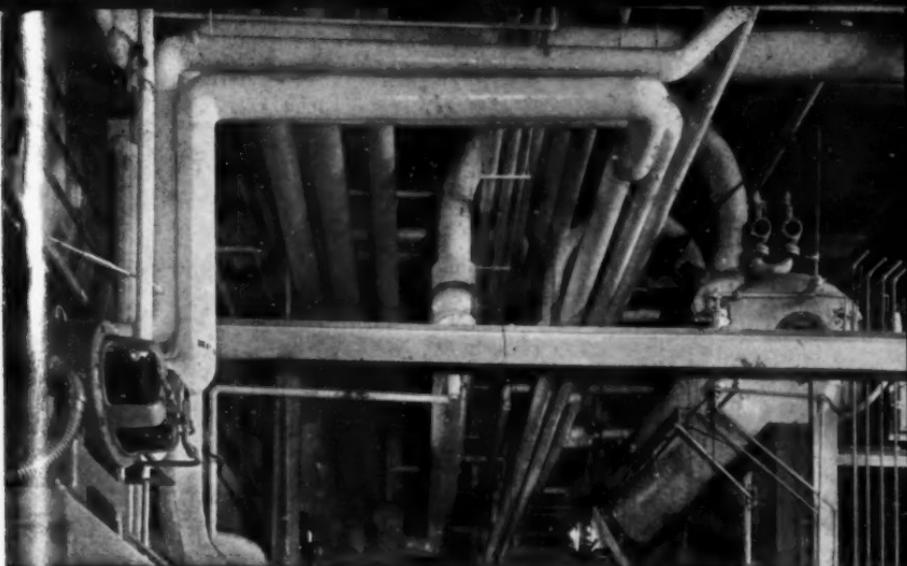
*Melvin F. Cerruti* to the newly created position of North-eastern Division Manager. This new division will include the sales districts of Boston, New York, Garwood, Philadelphia and Washington.

*Robert L. Zale* to the newly created position of Products Promotion Manager.

\* \* \*

A new how-to-do-it booklet for business firms tells how tape recordings and color slides can be combined to tell a story or convey an idea in an interesting and effective manner at low cost.

The 20-page illustrated booklet is entitled "How to make your own slide film presentations for less than \$20", and is available upon request from Minnesota Mining and Manufacturing Co., St. Paul, Minn.



## **Thermalite 85% Magnesia Insulation**

- . . . is suitable for temperatures up to 600° F.
- and is available in semi-cylindrical sections
- for pipe sizes up to 18" diameter.
- . . . has a low density and low conductivity
- yet remains exceptionally durable.
- . . . is molded to exact, finished size—making
- Thermalite uniform in dimensions and easy
- to apply snugly and evenly.

For information on sizes, recommended thicknesses, and recommended application procedure, write for Bulletin 4h.



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# SOUTHERN ASBESTOS TAPE

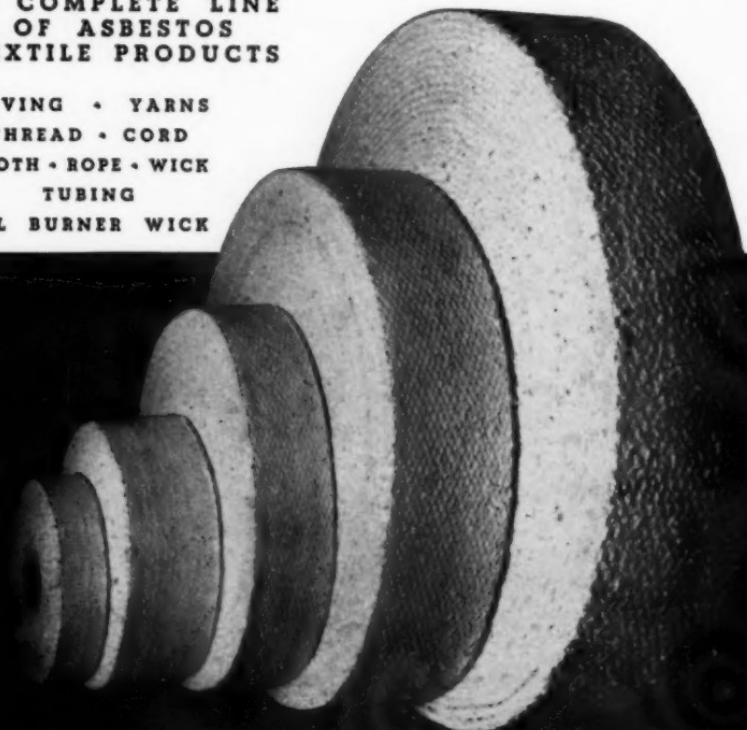
Southern Listing Tapes are flame proof. Flexible, uniform weave, width and thickness assures superior service and insulation. High tensile strength insures efficient application.

Two types—Ferrous for general insulating purposes and Non-Ferrous where a material with very low iron content is essential. Write for illustrated Folder No. 1008.

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